

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** ( Not for submission under 37 CFR 1.99)

Application Number	10590446
Filing Date	2006-08-24
First Named Inventor	Gabor Forgacs
Art Unit	<del>4646</del> 1657
Examiner Name	Kailash C. Srivastava
Attorney Docket Number	UMO 1561.1

## **U.S. PATENTS**

Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	6979670	B1	2005-12-27	Lyngstadaas	

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## **U.S. PATENT APPLICATION PUBLICATIONS**

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	1	20040253365	A1	2004-12-16	Warren, et al.	
	2	20030153078	A1	2003-06-14	Libera	

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Attorney Docket Number	UMO 1581.1

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>5</sup>
	1	STEINBERG, "Does differential adhesion govern self-assembly processes in histogenesis? Equilibrium configurations and the emergence of a hierarchy among populations of embryonic cells" The Journal of Experimental Zoology, 173 (4):395-433 (4/1970).	<input type="checkbox"/>
	2	STEINBERG et al., "Liquid behavior of embryonic tissues", Cell Behaviour, Cambridge University Press (Editors R. Bellairs, A.S.G. Curtis and G. Dunn) pp. 583-697 (1982).	<input type="checkbox"/>
	3	TIMMINS et al., "Hanging-drop Multicellular Spheroids as a Model of Tumour Angiogenesis" Angiogenesis, 7 (2):97-103 (2004).	<input type="checkbox"/>
	4	DAI et al., "Fibroblast Aggregation by Suspension with Conjugates of Poly (ethylene glycol) and RGD" Biotechnology and Bioengineering, 50(4):349-356 (1996).	<input type="checkbox"/>
	5	FOTY et al., "Surface tensions of embryonic tissues predict their mutual envelopment behavior", Development, 122 (5):1611-1620 (1996).	<input type="checkbox"/>
	6	FORGACS et al., "Viscoelastic Properties of Living Embryonic Tissues: a Quantitative Study", Biophysical Journal, 74 (5):2227-2234 (5/1998).	<input type="checkbox"/>
	7	Furukawa et al., "Formation of Human Fibroblast Aggregates (Spheroids) by Rotational Culture" Cell Transplantation, 10(4-5):441-445 (2001).	<input type="checkbox"/>
	8	GLICKLIS et al., "Modeling Mass Transfer in Hepatocyte Spheroids via Cell Viability, Spheroid Size, and Hepatocellular Functions" Biotechnology and Bioengineering, 86(6):672-680 (6/2004).	<input type="checkbox"/>
	9	KORFF et al., "Blood vessel maturation in a 3-dimensional spheroidal coculture model: direct contact with smooth muscle cells regulates endothelial cell quiescence and abrogates VEGF responsiveness", The FASEB Journal, 15:447-457 (2/2001).	<input type="checkbox"/>
	10	FOTY et al., "The Differential Adhesion Hypothesis: a Direct Evaluation", Developmental Biology, 278(1):255-263 (2/2005).	<input type="checkbox"/>

/Kailash Srivastava/

12/15/2010

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11	RYAN et al., "Tissue spreading on implantable substrates is a competitive outcome of cell-cell vs. cell-substratum adhesivity", Proceedings of the National Academy of Sciences, 98(8):4323-4327 (4/10/2001).	<input type="checkbox"/>
12	MOMBACH et al., "Quantitative comparison between differential adhesion models and cell sorting in the presence and absence of fluctuations", Physical Review Letters, 75(11):2244-2247 (9/11/1995).	<input type="checkbox"/>
13	CONSTANS, "Body by Science", The Scientist, 17(19):34, available web site <a href="http://www.the-scientist.com/article/display/14154/">http://www.the-scientist.com/article/display/14154/</a> , 7 pages. Date unavailable.	<input type="checkbox"/>
14	GLAZIER et al., "Simulation of the differential adhesion driven rearrangement of biological cells", Physical Review E, 47(3):2128-2154 (3/1993), The American Physical Society.	<input type="checkbox"/>
15	STILES, "UA Wins R & D 100 Award for Machine that Prints Tissue Cell-By-Cell", UANews, December 2, 2003, 2 pages, <a href="http://uanews.org/cgi-bin/WebObjects/UAnews.woa/wa/goPrint?ArticleID=8305">http://uanews.org/cgi-bin/WebObjects/UAnews.woa/wa/goPrint?ArticleID=8305</a> , accessed February 1, 2005, 2 pages	<input type="checkbox"/>
16	"Sciperio, Inc. 2003 R&D 100 Award Winner", Sciperio, <a href="http://www.sciperio.com/news/20031016.asp">http://www.sciperio.com/news/20031016.asp</a> , accessed February 1, 2005, 2 pages	<input type="checkbox"/>
17	GRANER et al., "Simulation of Biological Cell Sorting using a Two-Dimensional Extended Potts Model", Physical Review Letters, 69(13):2013-2016 (9/28/92), The American Physical Society.	<input type="checkbox"/>
18	MIRONOV et al., "Organ printing: self-assembling cell aggregates as 'BIOINK'", Science & Medicine, 9(2):69-71 (4/2003).	<input type="checkbox"/>
19	MIRONOV et al., "Organ printing: computer-aided jet-based 3D tissue engineering", Trends in Biotechnology, 21 (4): 157-161 (4/2003).	<input type="checkbox"/>
20	MARTIN et al., "Computer-Based Technigue for Cell Aggregation Analysis and Cell Aggregation in In Vitro Chondrogenesis", Cytometry, 28(2):141-146 (1997) John Wiley & Sons, Inc.	<input type="checkbox"/>
21	KOIBUCHI et al., "Behavior of cells in artificially made cell aggregates and tissue fragments after grafting to developing hind limb buds in <i>Xenopus laevis</i> ", The International Journal of Developmental Biology, 43(2):141-148 (1999) University Of The Basque Country Press, Spain.	<input type="checkbox"/>

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22	International Search Report for PCT/US05/05735 mailed 12/07/2007, 1 page	<input type="checkbox"/>
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Examiner Signature	/Kailash Srivastava/	Date Considered	12/17/2010
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